

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Takayuki Takahashi et al.
Serial No. : 10/673,993
Filed : September 29, 2003
TC/A.U. :
Examiner :

Docket No. : 03-616
Customer No. : 34704

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98, Applicants hereby submit the documents listed hereinbelow, copies enclosed.

- (1) Patent Abstracts of Japan Publication No. 02175672, entitled METHOD FOR JOINING ALUMINUM NITRIDE TO METALLIC PLATE, By Sugimura Toshikazu, published July 6, 1990. The abstract is attached hereto.
- (2) U.S. Patent No. 6,183,875 entitled ELECTRONIC CIRCUIT SUBSTRATES FABRICATED FROM AN ALUMINUM CERAMIC COMPOSITE MATERIAL, By Ning et al., patented February 6, 2001. This patent is attached hereto.
- (3) U.S. Patent No. 4,699,310 entitled METHOD OF BONDING ALUMINA TO METAL, By Kohno et al., patented October 13, 1987. This patent is attached hereto.

- (4) U.S. Patent No. 4,602,731 entitled DIRECT LIQUID PHASE BONDING OF CERAMICS TO METALS, By Dockus, patented July 29, 1986. This patent is attached hereto.
- (5) U.S. Patent No. 4,552,301 entitled METHOD OF BONDING CERAMIC COMPONENTS TOGETHER OR TO METALLIC COMPONENTS, By Liehr et al., patented November 12, 1985. This patent is attached hereto.
- (6) U.S. Patent No. 4,530,151 entitled MANUFACTURE METHOD OF A SODIUM-SULFUR STORAGE BATTERY, By Kagawa et al., patented July 23, 1985. This patent is attached hereto.
- (7) EP Patent No. 1 339 271, entitled SUBSTRATE AND PRODUCTION METHOD THEREFOR, By Yamamoto et al., published August 27, 2003. This patent is attached hereto.
- (8) EP Patent No. 1 038 853, entitled CERAMIC SINTER AND WEAR RESISTANT MEMBER AND ELECTRONIC MEMBER USING THEREOF, By Shinosawa et al., published September 27, 2000. This patent is attached hereto.

(9) U.S. Patent No. 5,543,130 entitled METAL CERAMIC
COMPOSITE STRUCTURE, By Tsuno et al., patented August
6, 1996. This patent is attached hereto.

The undersigned submits the above-identified references for
independent consideration by the Examiner and does not make any
admission that these references are or are not material to the
present invention or that these references are or are not prior
art with respect to the present invention.

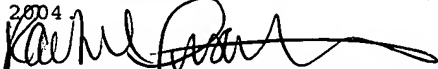
Respectfully submitted,
Takayuki Takahashi et al.

By 

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Date: January 23, 2004

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Rachel Piscitelli

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known

Application Number	10/673,993
Filing Date	September 29, 2003
First Named Inventor	Takayuki Takahashi et al.
Art Unit	
Examiner Name	
Attorney Docket Number	03-616

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		EP	08-27-2003	Yamamoto et al.		
		EP	09-27-2000	Shinosawa et al		

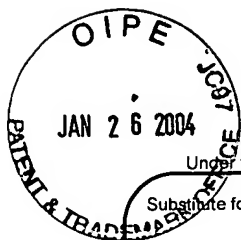
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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First Named Inventor

Takahashi et al.

Art Unit

Examiner Name

Sheet

2

of

2

Attorney Docket Number

03-616

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Patent Abstracts of Japan Publication No. 02175672, entitled METHOD FOR JOINING ALUMINUM NITRIDE TO METALLIC PLATE, By Sugimura Toshikazu, published July 6, 1990.	

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